

10/715,654

group on each of the α and β carbon atoms of the polyol solvent; (b) solubilized antiperspirant active; (c) dimethylether; (d) a low polarity liquid having a solubility parameter of less than about 8.0, wherein the weight ratio of the dimethylether to low polarity solvent is from about 0.1 to about 2.8. It has been found that these compositions are especially useful in formulating clear or single-phase pressurized antiperspirant compositions that remain stable over prolonged periods and that can be formulated without ethanol or aqueous solvents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 09:31:56 ON 07 NOV 2006)

FILE 'USPATFULL' ENTERED AT 09:32:34 ON 07 NOV 2006

E SWAILE D/IN

L1	30 S E4
L2	517 S ANTIPERSPIRANT? OR DEODORANT?/TI
L3	3 S L1 AND L2
L4	462 S ANTIPERSPIRANT?/TI
L5	515 S DEODORANT?/TI
L6	877 S L4 OR L5
L7	24 S L6 AND L1
L8	15438 S SILICONE?(P) DOW CORNING?
L9	19 S L8 AND L7
L10	253 S L6 AND L8
L11	26411 S DOW CORNING 200 OR DOW CORNING 1732 OR DOW CORNING? OR DOW CO
L12	181991 S POLYOL?
L13	8205 S L11 AND L12
L14	2911 S EMOLLIENT?(P) SILICONE?
L15	688 S L14 AND L13
L16	76 S L10 AND L15
L17	162595 S ANHYDROUS?
L18	62 S L17 AND L16
L19	0 S ANTIPERSPIRANT? ACTIVE?
L20	1076 S 1,2-PENTANEDIOL?
L21	659 S ANTIPERSPIRANT? ACTIVE?
L22	37 S L21 AND L20
L23	7 S L22 AND L18
L24	4 S L9 AND L23
L25	17301 S ZAG
L26	3 S L24 AND L25

=>

10/715,654

L27 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:205845 USPATFULL
TITLE: Single-phase antiperspirant compositions
containing solubilized antiperspirant
active and volatile silicone
INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES
Luebbe, John Paul, Lawrenceburg, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110532	A1	20020815
	US 6555099	B2	20030429
APPLICATION INFO.:	US 2000-735165	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1057		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are single-phase antiperspirant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a volatile silicone and selected coupling materials that are substantially free of Si--OH and Si--H functional groups and that have a solubility parameter of from about 7 to about 12, wherein the sum total solubility parameter of the essential components in the composition is from about 9 to about 13. These compositions provide improved low residue performance, enhanced stability, improved efficacy, and/or improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L27 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:198247 USPATFULL
TITLE: Single-phase antiperspirant compositions
containing solubilized antiperspirant
active and silicone elastomer
INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106340	A1	20020808
	US 6524562	B2	20030225
APPLICATION INFO.:	US 2000-735164	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1445		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are antiperspirant and deodorant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a silicone elastomer and a volatile silicone. These compositions provide improved low residue performance, enhanced

stability, and improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L27 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2000:97984 USPATFULL
 TITLE: Deodorant compositions containing isopropyl glycerol ether
 INVENTOR(S): Swaile, David Frederick, Cincinnati, OH, United States
 PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6096298		20000801
APPLICATION INFO.:	US 1999-379965		19990824 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Winter, William J.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1003		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to deodorant compositions, and methods of using such compositions, wherein the compositions comprise from about 0.1% to about 99.9% by weight of a deodorant active, fragrance or combination thereof, and from about 0.1% to about 99.9% by weight of a carrier comprising isopropyl glycerol ether. The deodorant composition preferably further comprises a suitable gellant or structurant to provide the desired product form, including a deodorant gel solid stick. The isopropyl glycerol ether carrier is a highly effective coupling agent and is milder to the skin when applied topically to the axilla or other areas of the skin as compared to many other polyol -containing deodorant compositions. The present invention also relates to the use of triclosan/triclocarban combinations for improved deodorant efficacy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L27 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2000:4412 USPATFULL
 TITLE: Deodorant compositions containing 1,2-hexanediol
 INVENTOR(S): Luebbe, John Paul, Lawrenceburg, IN, United States
 Guskey, Gerald John, Montgomery, OH, United States
 Motley, Curtis Bobby, West Chester, OH, United States
 Orr, Thomas Vincent, Cincinnati, OH, United States
 PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6013248		20000111
APPLICATION INFO.:	US 1998-71179		19980501 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Tucker, Joan B., Winter, William J., Rosnell, Tara M.		
NUMBER OF CLAIMS:	27		
EXEMPLARY CLAIM:	1		
LINE COUNT:	987		

10/715,654

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is directed to deodorant compositions, and methods of using such compositions, wherein the compositions comprise from about 0.1% to about 99.9% by weight of a deodorant active, fragrance or combination thereof, and from about 0.1% to about 99.9% by weight of a carrier comprising 1,2-hexanediol. The deodorant composition preferably further comprises a suitable gellant or structurant to provide the desired product form, including a deodorant gel solid stick. The 1,2-hexanediol carrier is a highly effective coupling agent and is milder to the skin when applied topically to the axilla or other areas of the skin as compared to many other polyol-containing deodorant compositions. The present invention also relates to the use of triclosan/triclocarban combinations for improved deodorant efficacy.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

10/715,654

L34 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:205845 USPATFULL
TITLE: Single-phase antiperspirant
compositions containing solubilized
antiperspirant active and volatile
silicone
INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES
Luebbe, John Paul, Lawrenceburg, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110532	A1	20020815
	US 6555099	B2	20030429
APPLICATION INFO.:	US 2000-735165	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1057		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are single-phase antiperspirant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a volatile silicone and selected coupling materials that are substantially free of Si--OH and Si--H functional groups and that have a solubility parameter of from about 7 to about 12, wherein the sum total solubility parameter of the essential components in the composition is from about 9 to about 13. These compositions provide improved low residue performance, enhanced stability, improved efficacy, and/or improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L34 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:198247 USPATFULL
TITLE: Single-phase antiperspirant
compositions containing solubilized
antiperspirant active and silicone
elastomer
INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106340	A1	20020808
	US 6524562	B2	20030225
APPLICATION INFO.:	US 2000-735164	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1445		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are antiperspirant and deodorant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized

10/715,654

antiperspirant active, a silicone elastomer and a volatile silicone. These compositions provide improved low residue performance, enhanced stability, and improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>

10/715,654

L31 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:205845 USPATFULL

TITLE: Single-phase antiperspirant compositions
containing solubilized antiperspirant
active and volatile silicone

INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES
Luebbe, John Paul, Lawrenceburg, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110532	A1	20020815
	US 6555099	B2	20030429
APPLICATION INFO.:	US 2000-735165	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1057		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are single-phase antiperspirant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a volatile silicone and selected coupling materials that are substantially free of Si--OH and Si--H functional groups and that have a solubility parameter of from about 7 to about 12, wherein the sum total solubility parameter of the essential components in the composition is from about 9 to about 13. These compositions provide improved low residue performance, enhanced stability, improved efficacy, and/or improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L31 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:198247 USPATFULL

TITLE: Single-phase antiperspirant compositions
containing solubilized antiperspirant
active and silicone elastomer

INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106340	A1	20020808
	US 6524562	B2	20030225
APPLICATION INFO.:	US 2000-735164	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1445		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are antiperspirant and deodorant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a silicone elastomer and a volatile silicone. These compositions provide improved low residue performance, enhanced

10/715,654

stability, and improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d his

(FILE 'HOME' ENTERED AT 09:31:56 ON 07 NOV 2006)

FILE 'USPATFULL' ENTERED AT 09:32:34 ON 07 NOV 2006

E SWAILE D/IN

L1 30 S E4
L2 517 S ANTIPERSPIRANT? OR DEODORANT?/TI
L3 3 S L1 AND L2
L4 462 S ANTIPERSPIRANT?/TI
L5 515 S DEODORANT?/TI
L6 877 S L4 OR L5
L7 24 S L6 AND L1
L8 15438 S SILICONE?(P)DOW CORNING?
L9 19 S L8 AND L7
L10 253 S L6 AND L8
L11 26411 S DOW CORNING 200 OR DOW CORNING 1732 OR DOW CORNING? OR DOW CO
L12 181991 S POLYOL?
L13 8205 S L11 AND L12
L14 2911 S EMOLLIENT?(P)SILICONE?
L15 688 S L14 AND L13
L16 76 S L10 AND L15
L17 162595 S ANHYDROUS?
L18 62 S L17 AND L16
L19 0 S ANTIPERSPIRANT? ACITIVE?
L20 1076 S 1,2-PENTANEDIOL?
L21 659 S ANTIPERSPIRANT? ACTIVE?
L22 37 S L21 AND L20
L23 7 S L22 AND L18
L24 4 S L9 AND L23
L25 17301 S ZAG
L26 3 S L24 AND L25
L27 4 S L23 NOT L26
L28 1 S US6013248/PN
L29 1 S L28 AND L11
L30 162 S POLAR(P)SILICONE?(P)EMOLLIENT?
L31 2 S L30 AND L27

=> s single phase?

2225492 SINGLE

1054204 PHASE?

L32 35527 SINGLE PHASE?

(SINGLE(W) PHASE?)

=> s l32 and l30

L33 29 L32 AND L30

=> s l33 and l27

L34 2 L33 AND L27

=> d 1-2 ibib abs

L34 ANSWER 1 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:205845 USPATFULL

TITLE: Single-phase antiperspirant
compositions containing solubilized
antiperspirant active and volatile

10/715,654

INVENTOR(S): silicone
 Guskey, Gerald John, Montgomery, OH, UNITED STATES
 Luebbe, John Paul, Lawrenceburg, IN, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002110532	A1	20020815
	US 6555099	B2	20030429
APPLICATION INFO.:	US 2000-735165	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	28		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1057		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are single-phase antiperspirant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a volatile silicone and selected coupling materials that are substantially free of Si--OH and Si--H functional groups and that have a solubility parameter of from about 7 to about 12, wherein the sum total solubility parameter of the essential components in the composition is from about 9 to about 13. These compositions provide improved low residue performance, enhanced stability, improved efficacy, and/or improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L34 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 2002:198247 USPATFULL
TITLE: Single-phase antiperspirant
 compositions containing solubilized
 antiperspirant active and silicone
 elastomer

INVENTOR(S): Guskey, Gerald John, Montgomery, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002106340	A1	20020808
	US 6524562	B2	20030225
APPLICATION INFO.:	US 2000-735164	A1	20001212 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	38		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1445		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are antiperspirant and deodorant compositions and corresponding methods of application, wherein the compositions are single-phase systems that comprise a solubilized antiperspirant active, a silicone elastomer and a volatile silicone. These compositions provide improved low residue performance, enhanced stability, and improved cosmetics.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

10/715,654

=>

10/715,654

L21 ANSWER 1 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2005:143759 USPATFULL

TITLE: Antiperspirant composition and applicator therefor

INVENTOR(S): Swaile, David Frederick, Cincinnati, OH, UNITED STATES
Altonen, Gene Michael, West Chester, OH, UNITED STATES
Putman, Christine Marie, West Chester, OH, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005123494	A1	20050609
APPLICATION INFO.:	US 2004-990592	A1	20041117 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-520559P	20031117 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224, US	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1048	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An antiperspirant product comprising an antiperspirant composition and an applicator for storing and discharging the antiperspirant composition. The antiperspirant composition comprises an antiperspirant active. The applicator has a longitudinal axis and comprises a release system structured to facilitate discharge of the antiperspirant composition such that the antiperspirant composition discharges as a portion of a foam comprising a dispersion of gas bubbles in a continuous liquid medium comprising the antiperspirant active that is suspended or dissolved therein, and a skin-contacting surface structured to receive and retain the portion of the foam thereon such that the portion of the foam of 0.2 gram is retained on the skin-contacting surface for at least 2 seconds when the applicator is inclined so that the longitudinal axis of the applicator and a gravity force vector form an angle of about 15 degrees therebetween, the skin-contacting surface being configured to apply an effective amount of the foam directly to an underarm area of a consumer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 2 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2004:313876 USPATFULL

TITLE: Clear, stable, dry-and-non-sticky antiperspirant having a select group of polar silicone emollients

INVENTOR(S): Swaile, David Frederick, Cincinnati, OH, UNITED STATES
Capretta, Amy Michelle, Cincinnati, OH, UNITED STATES
Van Dort, Heidi Marie, Sanford, MI, UNITED STATES
Kadlec, Donald Anthony, Midland, MI, UNITED STATES

PATENT ASSIGNEE(S): THE PROCTER & GAMBLE COMPANY (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004247546	A1	20041209
APPLICATION INFO.:	US 2003-715654	A1	20031118 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-428330P	20021122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	604	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A clear, stable, dry-and-non-sticky feeling antiperspirant having an antiperspirant active, a solvent, and a polar silicone emollient. The antiperspirant active is solubilized in the solvent. The polar silicone emollient has an OH group or polyether or mixture thereof. The polyether has an average length of 6 or less of ethylene oxide, propylene oxide or butylenes oxide groups or mixtures thereof. The polar silicone emollient has a chain of dimethyl siloxane groups ranging in an average total length of 8 to 40 silicone atoms. The polar silicone emollient has a linker which is a hydrocarbon chain of 1 to 8 carbons in average length. The polar silicone emollient represents from about 1% to about 95%, more specifically from about 5% to about 70%, even more specifically from about 10% to about 40% by weight of the antiperspirant. The antiperspirant may be contained in a pressurized or non-pressurized container.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 3 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2003:37129 USPATFULL
 TITLE: Anhydrous liquid antiperspirant emulsions
 INVENTOR(S): Swaile, David Frederick, Cincinnati, OH, UNITED STATES
 Capretta, Amy Michelle, Cincinnati, OH, UNITED STATES
 Hilvert, Jennifer Elaine, Cincinnati, OH, UNITED STATES
 Williams, Cheryl Marie, Fairfield, OH, UNITED STATES
 Welch, Timothy James, Cincinnati, OH, UNITED STATES
 PATENT ASSIGNEE(S): The Procter & Gamble Company (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003026773	A1	20030206
APPLICATION INFO.:	US 2001-891968	A1	20010626 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
LINE COUNT:	670		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are liquid anhydrous antiperspirant emulsions, comprising (a) an external phase containing a non-volatile hydrophobic liquid; and (b) an internal phase containing an antiperspirant active solubilized in a polar solvent; wherein the emulsions have an external to internal phase ratio of at least about 1.25 and a weight ratio of the non-volatile hydrophobic liquid to the combination of antiperspirant active and polar solvent in the internal phase of at least about 0.33. The anhydrous

10/715,654

antiperspirant emulsions provide little or no visible residue on the skin and also provide for a smooth, dry, non-sticky, skin-feel during and after application. These emulsions are especially useful when delivered from a roll-on applicator.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L21 ANSWER 4 OF 8 USPATFULL on STN

ACCESSION NUMBER: 2002:310623 USPATFULL
TITLE: Stable pressurized antiperspirant compositions containing dimethylether propellant and a low polarity solvent
INVENTOR(S): Smith, Scott Edward, Cincinnati, OH, United States
Swaile, David Frederick, Cincinnati, OH, United States
Hilvert, Jennifer Elaine, Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Proctor & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6485715	B1	20021126
	US 2003007935	A1	20030109
APPLICATION INFO.:	US 2001-864012		20010523 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Pryor, Alton		
LEGAL REPRESENTATIVE:	Oney, Jack L., Rosnell, Tara M., Miller, Steven W.		
NUMBER OF CLAIMS:	22		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)		
LINE COUNT:	688		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are pressurized antiperspirant compositions comprising (a) a polyol solvent having at least 4 carbon atoms and a hydroxyl group on each of the α and β carbon atoms of the polyol solvent; (b) solubilized antiperspirant active; (c) dimethylether; (d) a low polarity liquid having a solubility parameter of less than about 8.0, wherein the weight ratio of the dimethylether to low polarity solvent is from about 0.1 to about 2.8. It has been found that these compositions are especially useful in formulating clear or single-phase pressurized antiperspirant compositions that remain stable over prolonged periods and that can be formulated without ethanol or aqueous solvents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

10/715,654

L26 ANSWER 1 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2005:143759 USPATFULL
TITLE: Antiperspirant composition and applicator
therefor
INVENTOR(S): Swaile, David Frederick, Cincinnati, OH,
UNITED STATES
Altonen, Gene Michael, West Chester, OH, UNITED STATES
Putman, Christine Marie, West Chester, OH, UNITED
STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005123494	A1	20050609
APPLICATION INFO.:	US 2004-990592	A1	20041117 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-520559P	20031117 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224, US	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1048	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An antiperspirant product comprising an antiperspirant composition and an applicator for storing and discharging the antiperspirant composition. The antiperspirant composition comprises an antiperspirant active. The applicator has a longitudinal axis and comprises a release system structured to facilitate discharge of the antiperspirant composition such that the antiperspirant composition discharges as a portion of a foam comprising a dispersion of gas bubbles in a continuous liquid medium comprising the antiperspirant active that is suspended or dissolved therein, and a skin-contacting surface structured to receive and retain the portion of the foam thereon such that the portion of the foam of 0.2 gram is retained on the skin-contacting surface for at least 2 seconds when the applicator is inclined so that the longitudinal axis of the applicator and a gravity force vector form an angle of about 15 degrees therebetween, the skin-contacting surface being configured to apply an effective amount of the foam directly to an underarm area of a consumer.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2004:313876 USPATFULL
TITLE: Clear, stable, dry-and-non-sticky
antiperspirant having a select group of polar
silicone emollients
INVENTOR(S): Swaile, David Frederick, Cincinnati, OH,
UNITED STATES
Capretta, Amy Michelle, Cincinnati, OH, UNITED STATES
Van Dort, Heidi Marie, Sanford, MI, UNITED STATES
Kadlec, Donald Anthony, Midland, MI, UNITED STATES
PATENT ASSIGNEE(S): THE PROCTER & GAMBLE COMPANY (U.S. corporation)

NUMBER	KIND	DATE
-----	-----	-----

10/715,654

PATENT INFORMATION: US 2004247546 A1 20041209
APPLICATION INFO.: US 2003-715654 A1 20031118 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2002-428330P	20021122 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
LINE COUNT:	604	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A clear, stable, dry-and-non-sticky feeling antiperspirant having an antiperspirant active, a solvent, and a polar silicone emollient. The antiperspirant active is solubilized in the solvent. The polar silicone emollient has an OH group or polyether or mixture thereof. The polyether has an average length of 6 or less of ethylene oxide, propylene oxide or butylenes oxide groups or mixtures thereof. The polar silicone emollient has a chain of dimethyl siloxane groups ranging in an average total length of 8 to 40 silicon atoms. The polar silicone emollient has a linker which is a hydrocarbon chain of 1 to 8 carbons in average length. The polar silicone emollient represents from about 1% to about 95%, more specifically from about 5% to about 70%, even more specifically from about 10% to about 40% by weight of the antiperspirant. The antiperspirant may be contained in a pressurized or non-pressurized container.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L26 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2002:310623 USPATFULL
TITLE: Stable pressurized antiperspirant
compositions containing dimethylether propellant and a low polarity solvent
INVENTOR(S): Smith, Scott Edward, Cincinnati, OH, United States
Swaile, David Frederick, Cincinnati, OH, United States
Hilvert, Jennifer Elaine, Cincinnati, OH, United States
PATENT ASSIGNEE(S): The Proctor & Gamble Company, Cincinnati, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6485715	B1	20021126
APPLICATION INFO.:	US 2003007935	A1	20030109
DOCUMENT TYPE:	US 2001-864012		20010523 (9)
FILE SEGMENT:	Utility		
PRIMARY EXAMINER:	GRANTED		
LEGAL REPRESENTATIVE:	Pryor, Alton		
NUMBER OF CLAIMS:	Oney, Jack L., Rosnell, Tara M., Miller, Steven W.		
EXEMPLARY CLAIM:	22		
NUMBER OF DRAWINGS:	1		
LINE COUNT:	0 Drawing Figure(s); 0 Drawing Page(s)		
	688		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are pressurized antiperspirant compositions comprising (a) a polyol solvent having at least 4 carbon atoms and a hydroxyl